Raspberry Pi 5

PCN 65 – Revision 7 PCB

Colophon

© 2022-2026 Raspberry Pi Ltd

This documentation is licensed under a Creative Commons Attribution-NoDerivatives 4.0 International (CC BY-ND).

Release	1
Build date	21/10/2026
Build version	27b71aae6750

Legal disclaimer notice

TECHNICAL AND RELIABILITY DATA FOR RASPBERRY PI PRODUCTS (INCLUDING DATASHEETS) AS MODIFIED FROM TIME TO TIME ("RESOURCES") ARE PROVIDED BY RASPBERRY PI LTD ("RPL") "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW IN NO EVENT SHALL RPL BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THE RESOURCES, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

RPL reserves the right to make any enhancements, improvements, corrections or any other modifications to the RESOURCES or any products described in them at any time and without further notice.

The RESOURCES are intended for skilled users with suitable levels of design knowledge. Users are solely responsible for their selection and use of the RESOURCES and any application of the products described in them. User agrees to indemnify and hold RPL harmless against all liabilities, costs, damages or other losses arising out of their use of the RESOURCES.

RPL grants users permission to use the RESOURCES solely in conjunction with the Raspberry Pi products. All other use of the RESOURCES is prohibited. No licence is granted to any other RPL or other third party intellectual property right.

HIGH RISK ACTIVITIES. Raspberry Pi products are not designed, manufactured or intended for use in hazardous environments requiring fail safe performance, such as in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, weapons systems or safety-critical applications (including life support systems and other medical devices), in which the failure of the products could lead directly to death, personal injury or severe physical or environmental damage ("High Risk Activities"). RPL specifically disclaims any express or implied warranty of fitness for High Risk Activities and accepts no liability for use or inclusions of Raspberry Pi products in High Risk Activities.

Raspberry Pi products are provided subject to RPL's Standard Terms. RPL's provision of the RESOURCES does not expand or otherwise modify RPL's Standard Terms including but not limited to the disclaimers and warranties expressed in them.

Document version history

Release	Date	Description
1	02 Oct 2026	Initial release

Product Change Notification

Notification ID

65

Notification date

6 October 2026

Title

Change of Raspberry Pi 5 PCB to Revision 7.

Products Affected

Raspberry Pi 5

Reason for Change

Modification of the Raspberry Pi 5 PCB to use the Max Linear MXL86110 Ethernet PHY (which replaces the Broadcom BCM54213).

Change Description

Old PCB revision: 4 New PCB revision: 7

Raspberry Pi Ltd have extensively tested and qualified alternatives which closely match the original parts in terms of specification and performance.

Mechanical (Form, Fit, Function) Changes

Electrical

Software/Firmware Changes Required

This new product revision is supported in firmware versions from 25/9/2026 onwards. Note that appropriate firmware will be installed from the factory. Reverting to an earlier firmware may result in non-working Ethernet.

The firmware version and date are queried by running 'vcgencmd version' from the Raspberry Pi OS command line.

Raspberry Pi Ltd always recommends using the latest version of firmware and Linux kernel, wherever that is practical.

Use Raspberry Pi Imager to create a new SD card with the latest Raspberry Pi OS, or use the following to upgrade an existing system:

```
Code
sudo apt update
sudo apt full-upgrade
```

Transition Date(s)

October 2026

There will be a transition period where both old and new units are available in the distribution channel.

Identification Method to Distinguish Change

The new product can be distinguished by visual examination or through examination on software.

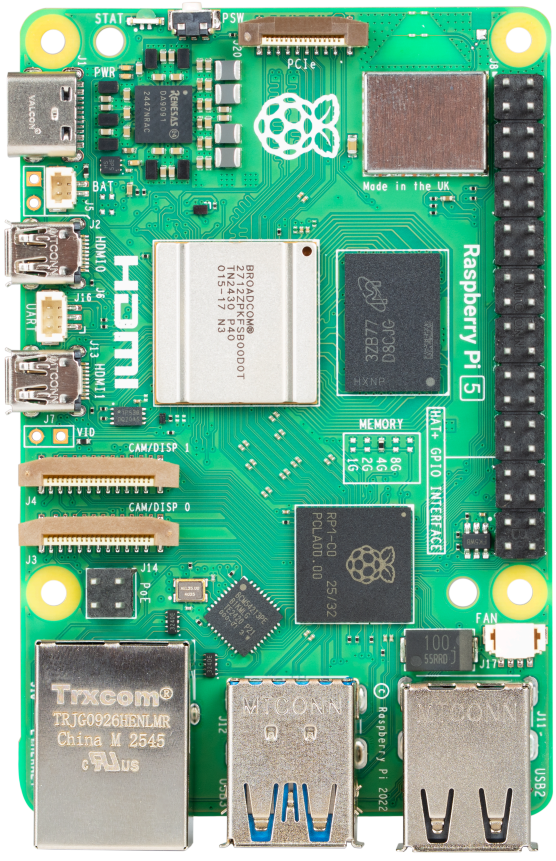
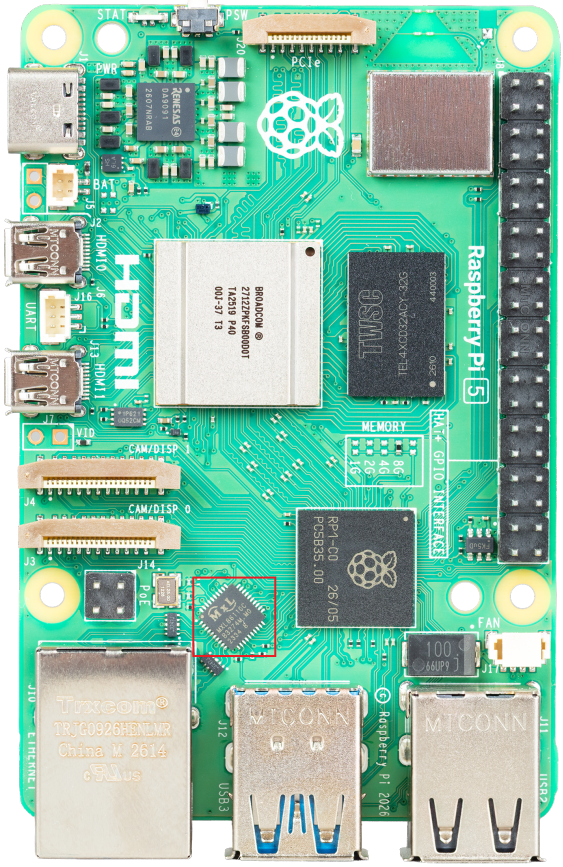
The following images show the revision 4 and revision 7 boards.

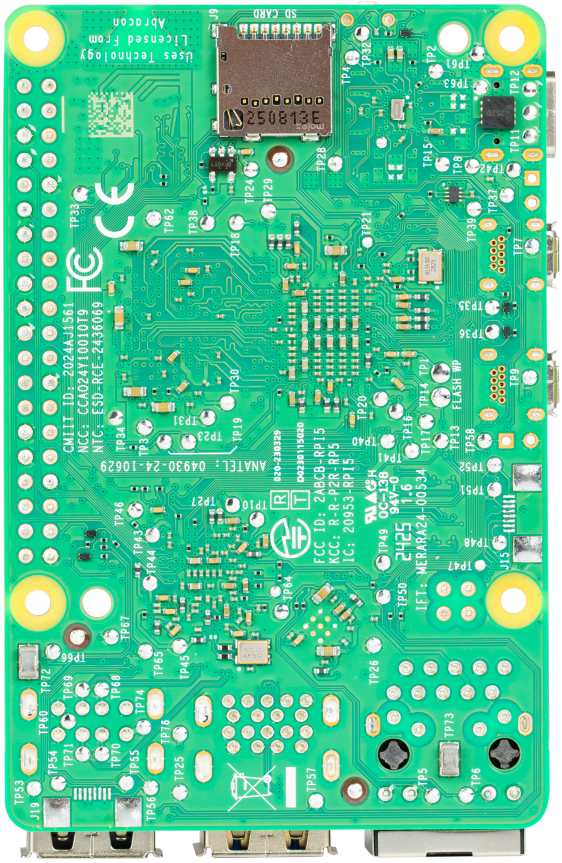
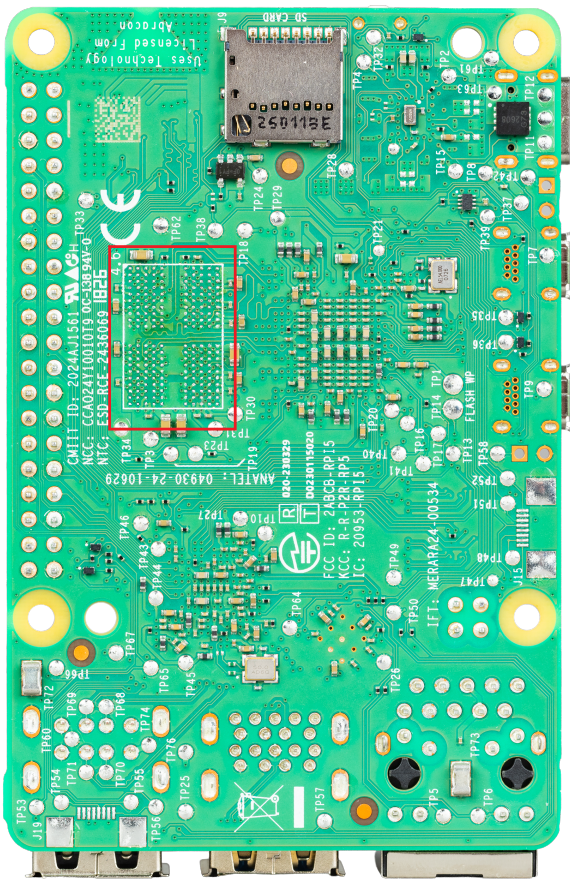
Important

On revision 7 boards, the area on the rear of the device indicated with the red rectangle may be populated with a RAM device depending on RAM configuration

Table 1.

Comparison Images

Original Part	New Part
	

Original Part	New Part
	

On a running device, the new revision can be distinguished by:

- `cat /proc/cpuinfo` will report “Model” as “Raspberry Pi 5 Model B+ Rev 1.7”

Contact us for more information

Please contact applications@raspberrypi.com if you have any queries about this PCN.

Web: www.raspberrypi.com



Raspberry Pi

Raspberry Pi is a trademark of Raspberry Pi Ltd

Raspberry Pi Ltd